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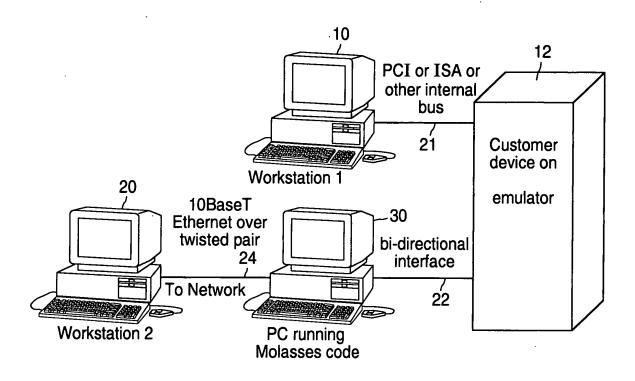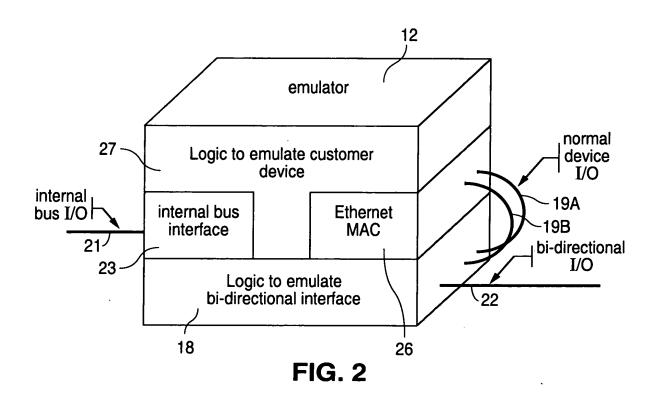
FIG. 1

FIG. 2

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FIG. 3

72 — EPP Parallel Port (standard off-the-shelf hardware)

300

MOLASSES SOFTWARE — 52

W32N_MolassesStart routine — 54

W32N_MolassesBuffer routine, thread 1

Packet Reception (W32N_PacketRead routine) — 58

Shared Buffer in Memory (RPacketPack0 array) — 60

Packet Transmission (PORT32_PacketSend routine) — 64

Shared Buffer in Memory (XpacketPack1 array) — 62

PORT32_MolassesBuffer routine, thread 2

Packet Reception (PORT32_PacketRead routine) — 66

Shared Buffer in Memory (RPacketPack1 array) — 68

Shared Buffer in Memory (XpacketPack0 array) — 70

Packet Transmission (W32N_PacketSend routine) — 76

W32N_MolassesStop routine — 94

56

50

Ethernet NIC (standard off-the-shelf hardware) — 74

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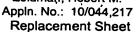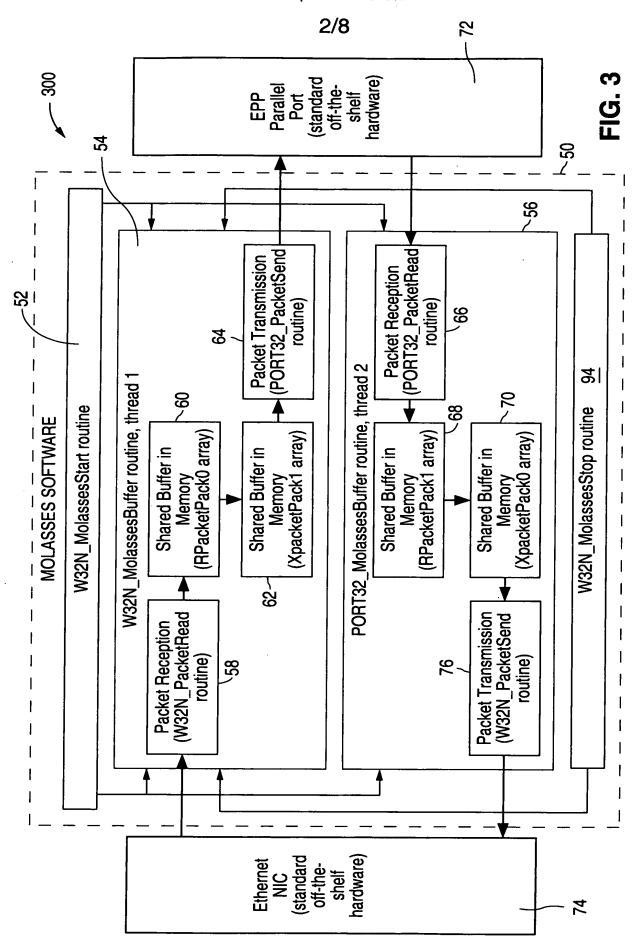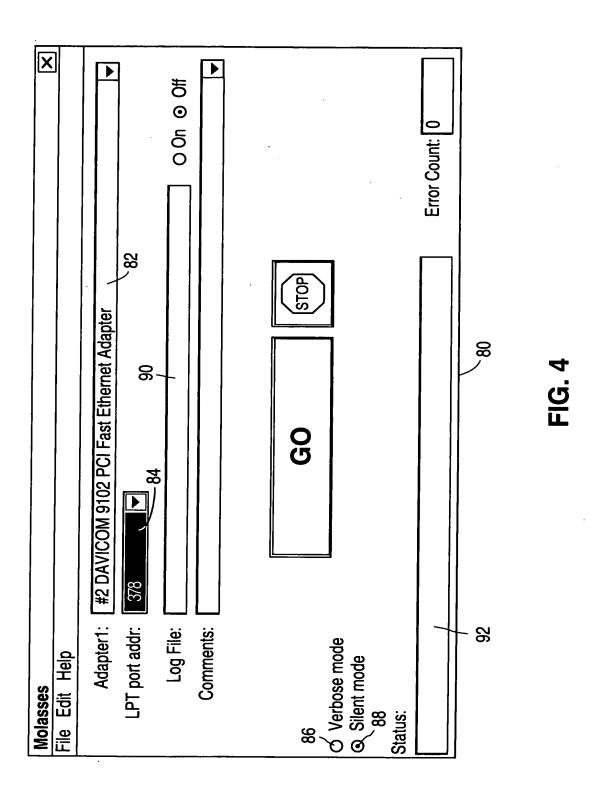Appln. No.: 10/044,217
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FIG. 4

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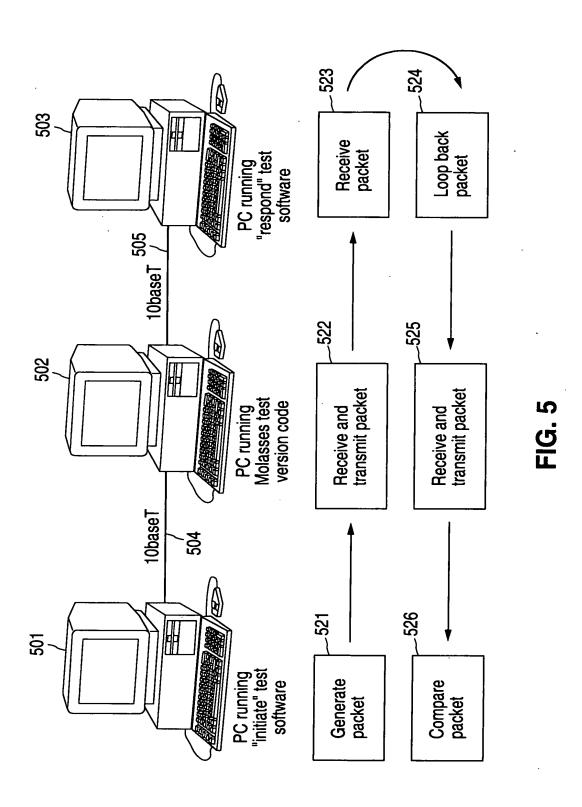
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FIG. 5

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FIG. 6

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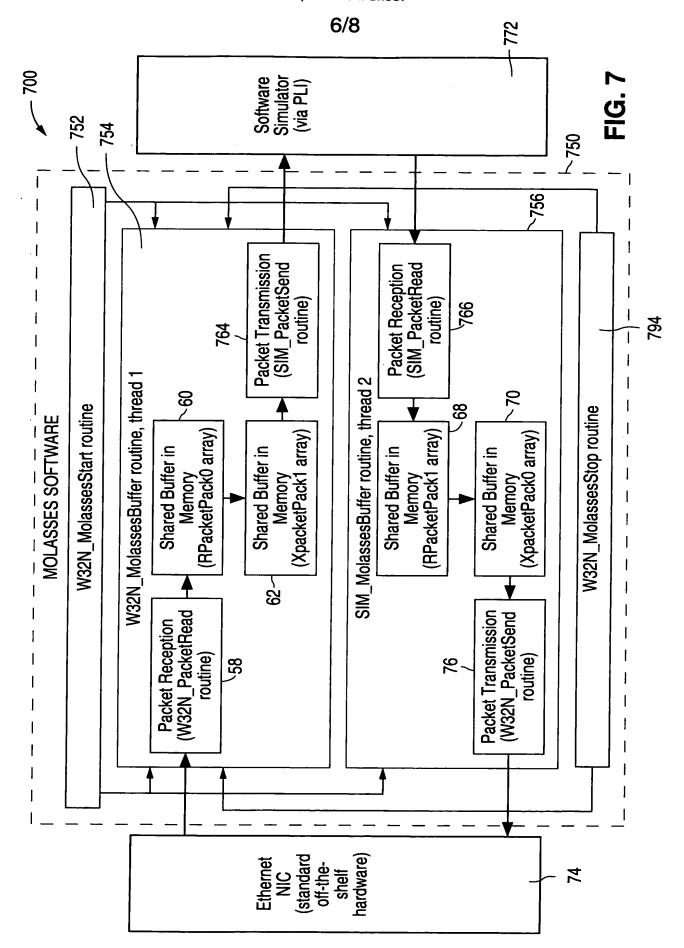**FIG. 7**

700

752

754

750

MOLASSES SOFTWARE

W32N_MolassesStart routine

W32N_MolassesBuffer routine, thread 1

SIM_MolassesBuffer routine, thread 2

W32N_MolassesStop routine

794

Software Simulator (via PLI) — 772

756

Packet Reception (W32N_PacketRead routine) — 58

Shared Buffer in Memory (RPacketPack0 array) — 60

Shared Buffer in Memory (XpacketPack1 array) — 62

Packet Transmission (SIM_PacketSend routine) — 764

Packet Reception (SIM_PacketRead routine) — 766

Shared Buffer in Memory (RPacketPack1 array) — 68

Shared Buffer in Memory (XpacketPack0 array) — 70

Packet Transmission (W32N_PacketSend routine) — 76

Ethernet NIC (standard off-the-shelf hardware) — 74

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FIG. 8

Method For Connecting A Hardware Emulator To A Network
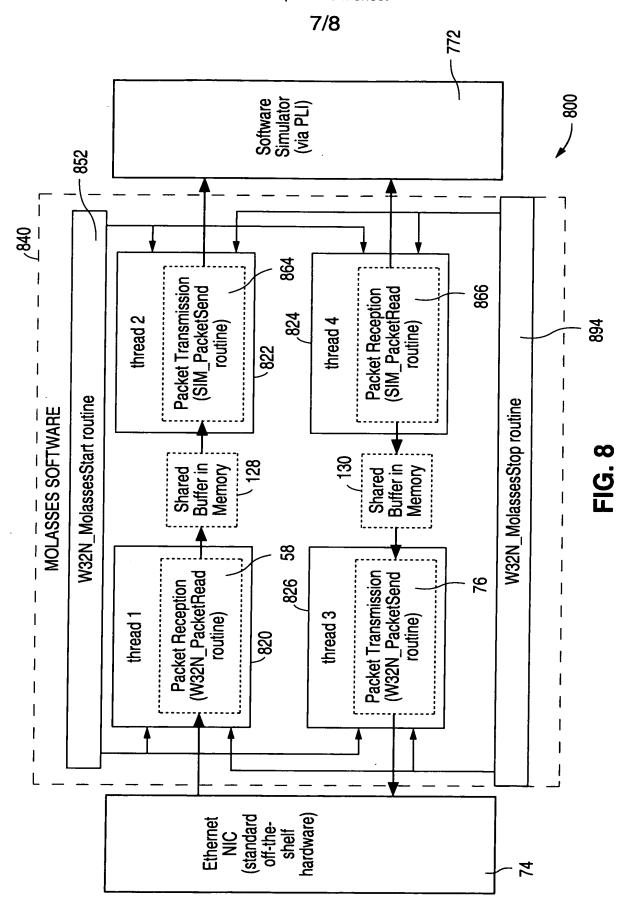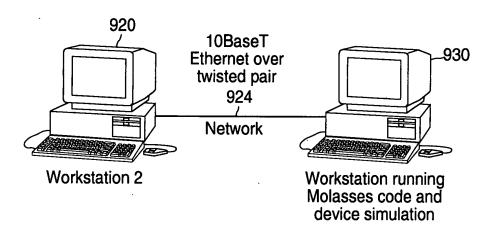Zeidman, Robert M.
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920

10BaseT
Ethernet over
twisted pair

930

924

Network

Workstation 2

Workstation running
Molasses code and
device simulation

FIG. 9